

The Knowledge Bank at The Ohio State University

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NEWS OF THE QUADRANGLE

BROPHY AND CAREY ARE APPOINTED TO POSTS ON ENGINEER

Dean Charles E. MacQuigg, Chairman of the **Ohio State Engineer** Board of Control, has announced the appointment of Jere Brophy, M. E. III, and Harry Carey, E. E. IV, as editor and business manager of the **Engineer**. Brophy and Carey will take over at the beginning of the spring quarter. Gordon Inskeep, retiring editor, and David Masson, retiring business manager, both graduate at the end of the winter quarter.

During the past year Jere Brophy has served as campus editor, and Harry Carey has served as circulation manager.

Members of the board of control are Dean MacQuigg, Prof. Samuel R. Beitler, Prof. Wilson R. Dumble, and Mr. J. Merril Weed, now on leave.

TEXNIKOI SPONSORS SURVEY PROGRAM

A recent meeting of the freshman engineering survey class was sponsored by Texnikoi, activities honorary. Student speakers included H. Keith McFarland, president of Tau Beta Pi, Gordon C. Inskeep, editor of the **Engineer**, William Verross, vice-president of Texnikoi, and Joe Dorst along with the Quadrangle Jesters quartet.

William Wagner, Texnikoi president, was master of ceremonies, and introduced the speakers. Mr. Paul Shook, faculty advisor, spoke briefly on the general subject of extra-curricular activities.

DR. ALBERT PREBUS GIVES LECTURE-DEMONSTRATION OF ELECTRON MICROSCOPE

At a joint meeting on February 25 of the Student Branches of the American Institute of Electrical Engineers and Engineering Physics Society, Dr. Albert F. Prebus, of the department of electrical engineering, gave a lecture-demonstration of the electron microscope which he constructed in the Radiation Laboratory. His lecture was supplemented by slides showing the detailed structure of the instrument, the special preparation of the specimen and magnifications of various subjects.

Dr. Prebus came to Ohio State from Toronto where he had built another electron microscope.

During the meeting Professor S. O. Evans, faculty advisor, stated that an A. I. E. E. loan fund was available to students.

WELDERS POSTPONE ELECTION

Due to the instability of the military situation, the American Welding Society at its meeting January 25th postponed the election of officers until next quarter. Yowland Gilbert was elected chairman pro tem.

Two moving pictures were shown through the courtesy of the Luken Steel Company. The first, entitled "The World's Largest Plate Mill," displayed the processes in the formation of dished heads. The other, entitled "Weld Stresses," showed the photo-elastic studies of the stresses caused by welding.

A. I. E. E. ELECTS OFFICERS

Officers for the coming academic year were elected at a recent meeting of the Student Branch of the American Institute of Electrical Engineers. They were as follows: chairman, Edgar Hayden; vice-chairman, John Tewart; jr. vice-chairman, Boris Ragent; secretary, Frank Young; treasurer, Arthur Kornichuk; senior council representative, Richard Ohlemacher; junior council representative, Karl Olsen; faculty advisor, Professor S. O. Evans.

At the same meeting Professor Herbert A. Toops, of the department of psychology, spoke on the relationship of psychology to the field of engineering.

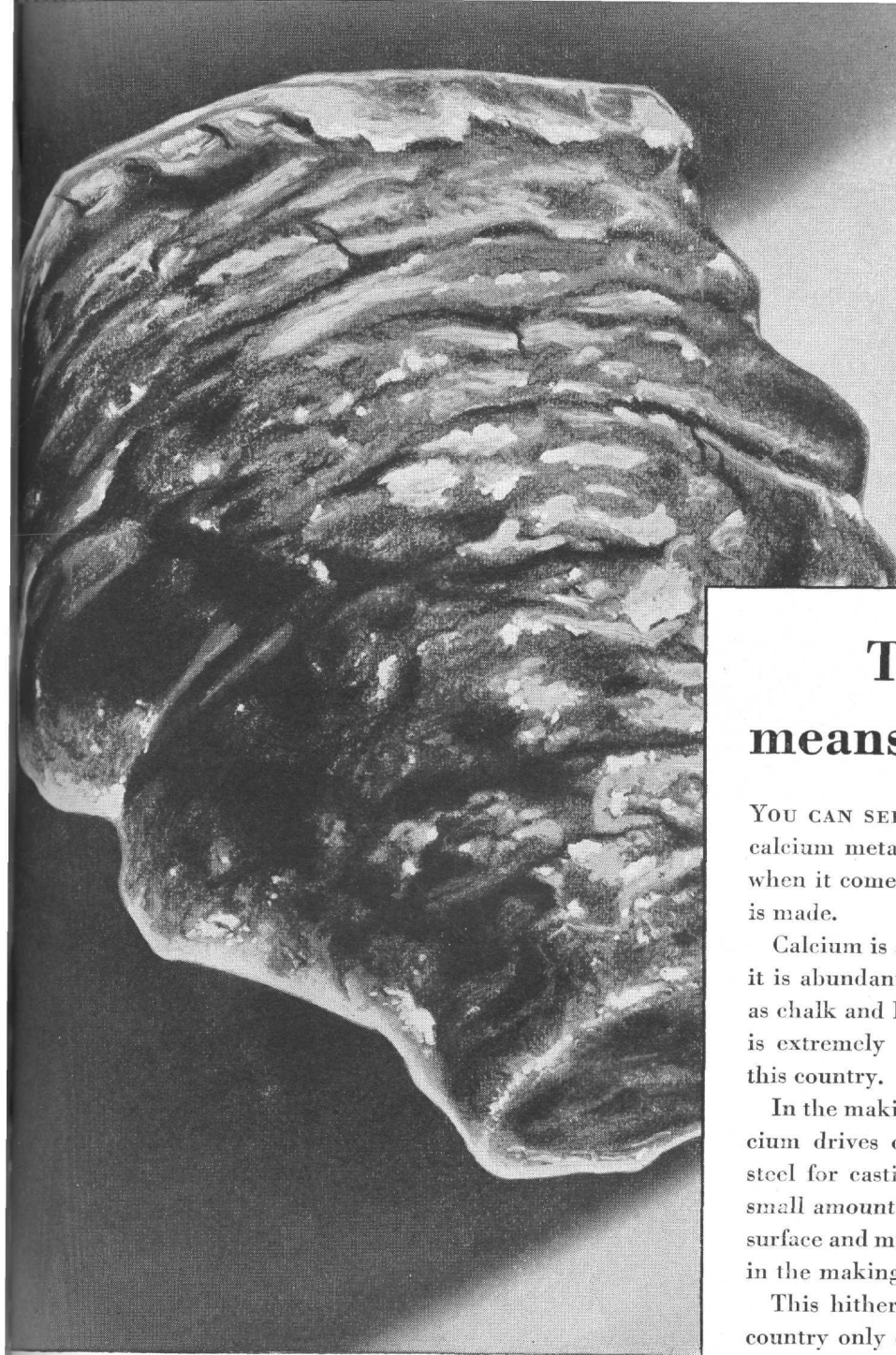
COUNCIL HOLDS ANNUAL LUNCHEON

The Engineers Council held their annual luncheon meeting at Pomerene on February 18th. Roger Ball was installed as the new council President. Walter E. Hendricks, retiring president, announced that keys would be awarded as soon as they could be furnished by the jeweler.

PERMANENT COMMISSIONS IN THE ARMY AND MARINE CORPS

Students are reminded that a number of permanent commissions in the Army and Marine Corps are available each year. These commissions are not to be had immediately, however, for only a certain number are available at a given time. These appointments are dependent upon the number of vacancies determined by the Army and Marine Corps and are to be had through competition, the highest receiving the commissions.

It has been the regular policy of the Ohio State University to recommend each year honor graduates for these permanent positions. This policy will continue to exist during and after the war as it did before the war.



This "Carrot" means healthy metals

YOU CAN SEE why metalworkers call this lump of calcium metal a "carrot." This is the way it looks when it comes from an electrolytic cell in which it is made.

Calcium is a soft, silvery-looking metal. Although it is abundantly present in such common materials as chalk and limestone, its recovery as a pure metal is extremely difficult. Yet it is vitally essential to this country.

In the making of stainless or high-alloy steels, calcium drives out impurities, giving cleaner, better steel for casting or rolling. In magnesium casting, small amounts of calcium improve the finish of the surface and minimize scaling. Calcium is an essential in the making of many metals.

This hitherto rare metal has been made in this country only during the past few years. Before Europe exploded, the United States was dependent upon France as a source of supply.

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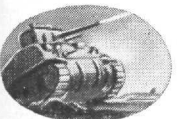
PLASTICS



IN THE AIR SOONER! Vital aircraft parts flow from production lines quicker because the use of calcium metal results in better metal.



BETTER HEALTH! Pure calcium metal is used as a drying and purifying agent in the manufacture of certain new disease-fighting drugs.



CHEMICAL HELPER! Calcium is necessary in making a number of rare metals—many of which heretofore were unavailable commercially—and all of which are vital.



METAL-SAVER! In the melting of copper scrap for use in certain types of electrical equipment, calcium is used as a purifier and a restorer of electrical conductivity.

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